

Converting Colors

$Y_{xy}(22.2009, 0.3762, 0.4385)$

Have a look what the booklet for
Yxy(22.2009, 0.3762, 0.4385)
contains.

Yxy(22.1485, 0.3768, 0.4375)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1485, 0.3768, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	848548
RGB	132, 133, 72
RGB Percent	52%, 52%, 28%
CMY	0.4823, 0.4784, 0.7176
CMYK	0.01, 0.00, 0.46, 0.48
HSL	61°, 30%, 40%
HSV	61°, 46%, 52%
XYZ	19.0756, 22.1485, 9.4011
YIQ	125.7470, 18.9850, -19.1830

Conversions

Conversions Part 2

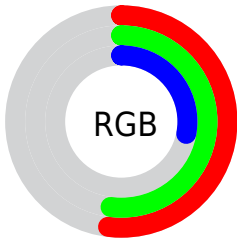
Format	Color
R_{YB}	72, 133, 73
Decimal	8684872
CIE Lab	54.18, -9.78, 32.61
CIE LCh	54, 34.045, 106.690
Yxy	22.1485, 0.3768, 0.4375
Android (android.graphics.Color)	4286874952 (0xFF848548)
YUV	125.7470, -26.4973, 5.4839
Hunter-Lab	47.0622, -10.0081, 21.0998

Details

The Yxy color **22.1485, 0.3768, 0.4375** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **7.7444, 0.2311, 0.1925**, and the grayscale version is **20.8620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9621, 0.3638, 0.4135**, and **8.1602, 0.3955, 0.4789** is the 20% darker color. If you saturate the color by 10%, you get **21.9771, 0.3887, 0.4580**, and if you desaturate by 10%, it is **22.3595, 0.3635, 0.4149**.

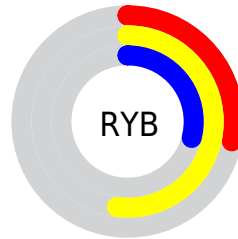
Distribution



Red (52%)

Green (52%)

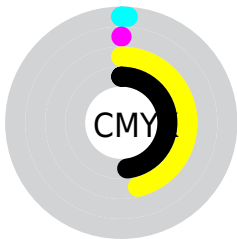
Blue (28%)



Red (28%)

Yellow (52%)

Blue (29%)

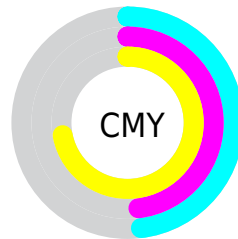


Cyan (1%)

Magenta (0%)

Yellow (46%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1485, 0.3768, 0.4375 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.1485, 0.3768, 0.4375 by changing the saturation by 10% instead.


 22.1485, 0.3768,
0.4375


 22.1485, 0.3768,
0.4375


 263.3208, 0.3427,
0.3763

 13.9661, 0.3853,
0.4549


 46.9913, 0.3642,
0.4136


 8.0971, 0.3957,
0.4783


 64.4205, 0.3595,
0.4051


 4.1571, 0.4092,
0.5125

 85.7007, 0.3555,
0.3981

 1.7618, 0.4292,
0.5708

 111.2163, 0.3522,
0.3923

 0.4632, 0.3032,
0.6968

 141.3517, 0.3493,
0.3874

 0.0000, 0.0000,
0.0000

176.4913, 0.3468,

0.3831

217.0196, 0.3446,
0.3795

■ 22.1485, 0.3768,
0.4375

■ 22.1485, 0.3768,
0.4375

■ 21.9771, 0.3887,
0.4580

■ 22.3595, 0.3635,
0.4149

■ 21.8399, 0.3989,
0.4755

■ 22.6093, 0.3495,
0.3910

■ 21.7351, 0.4068,
0.4893

■ 22.9009, 0.3351,
0.3667

■ 21.6596, 0.4123,
0.4991

■ 23.2364, 0.3209,
0.3427

■ 21.6083, 0.4155,
0.5052

■ 23.6174, 0.3071,
0.3195

■ 21.5892, 0.4166,
0.5074

■ 24.0457, 0.2940,
0.2975

■ 24.5229, 0.2817,
0.2770

■ 25.0505, 0.2704,
0.2580

■ 25.6300, 0.2600,
0.2406

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.1485, 0.4200, 0.4093



22.1485, 0.3768, 0.4375



22.1485, 0.3187, 0.4333

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.1485, 0.3768, 0.4375



22.1485, 0.2046, 0.2739



22.1485, 0.3594, 0.2768

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.1485, 0.3768, 0.4375



7.7444, 0.2311, 0.1925

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.1485, 0.2970, 0.2468



22.1485, 0.3768, 0.4375



22.1485, 0.2128, 0.2422

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.1485, 0.3768, 0.4375



22.1485, 0.2213, 0.3279



22.1485, 0.2447, 0.2340



22.1485, 0.4118, 0.3187

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.1485, 0.3768, 0.4375



22.1485, 0.2797, 0.4083



22.1485, 0.2447, 0.2340



22.1485, 0.3385, 0.2652

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.1495, 0.3768, 0.4375



41.1002, 0.3329, 0.3630



10.0896, 0.4296, 0.3293



9.2358, 0.3356, 0.3675



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1495, 0.3768, 0.4375



39.3477, 0.3892, 0.4587



20.0964, 0.3399, 0.4526



5.4193, 0.3255, 0.3505



20.5654, 0.4166, 0.5074



0.0715, 0.4181, 0.5062

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7.7444, 0.2311, 0.1925



10.1719, 0.2098, 0.1571



9.1828, 0.2711, 0.2059



4.5478, 0.2994, 0.3066



1.6265, 0.1508, 0.0604



0.0059, 0.1542, 0.0623

Previews

White Background



This preview shows how the Yxy color 22.1485, 0.3768, 0.4375 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.1485, 0.3768, 0.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

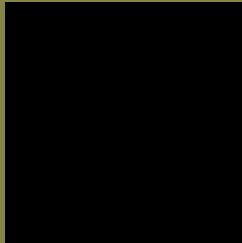
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.1485, 0.3768, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 22.1485, 0.3768, 0.4375.



This preview shows how white text looks on a background with the Yxy color 22.1485, 0.3768, 0.4375.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.1485, 0.3768, 0.4375

Protanopia

22.1710, 0.3928, 0.4295

Deuteranopia

22.1788, 0.4152, 0.4085



Tritanopia

22.1882, 0.3171, 0.3120

Trichromacy



Original Color

22.1485, 0.3768, 0.4375

Protanomaly

22.0908, 0.3869, 0.4331

Deuteranomaly

22.0493, 0.4022, 0.4186

Tritanomaly

22.1270, 0.3390, 0.3575

Monochromacy



Original Color

22.1485, 0.3768, 0.4375

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3303, 0.3371, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1485, 0.3768, 0.4375 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(132, 133, 72)` looks like.

```
.text, #text, p{  
    color:rgb(132, 133, 72)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(132, 133, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 133, 72) }
```

Border

The CSS property to change the border of an element to Yxy 22.1485, 0.3768, 0.4375 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 133, 72) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(132, 133, 72) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(132, 133, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 133, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 133, 72);  
box-shadow:4px 4px 4px 4px rgb(132, 133,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1485, 0.3768, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 133, 72) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(132,  
133, 72) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor